



simulation batch Internet "industrial process"

Search

[Advanced Scholar Search](#)  
[Scholar Preferences](#)  
[Scholar Help](#)
**Scholar** [All articles](#) [Recent articles](#) Results 1 - 10 of about **245** for **simulation batch Internet "industrial p**
**All Results**[A Weaver](#)[J Sánchez](#)[A Liese](#)[J Hagen](#)[F Camacho](#)**Monitoring and control using the Internet and Java**

A Weaver, J Luo, X Zhang - Industrial Electronics Society, 1999. IECON'99 Proceedings. ..., 1999 - [ieeexplore.ieee.org](#)

... open control system in which a **batch** fermenter, controlled ... live process data over the **Internet** [Bast971 ([http ... an interactive Java-based simulation and tutoring ...](#)

Cited by 15 - [Related Articles](#) - [Web Search](#) - [BL Direct](#)

**State of Mathematical Modelling and Simulation in the Finnish Process Industry, Universities and ...**

K Klemola, I Turunen - Technology Review, 2001 - [info.lut.fi](#)

... **Internet**, publications and conference presentations were also used. ... Page 12. Dynamic **Simulation** is used for [Asprey, 1998]: • **batch** process design and ...

Cited by 2 - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)

**REAL PROCESS SUITABILITY FOR REMOTE CONTROL - group of 2 »**

A Valera, JL Díez, M Vallés - Second IFAC Workshop Internet Based Control Education (IBCE ..., 2004 - [icct.insa-lyon.fr](#)

... Remote laboratories in **batch** operating mode have been developed and ... having a PC connected to **Internet** and a ... with virtual models that allow **simulation** test, and ...

Cited by 1 - [Related Articles](#) - [View as HTML](#) - [Web Search](#)

**Examinations on a component based approach for distributed control systems**

M Riedl, C Diedrich, A Lutzow, R Simon - Industrial Electronics, 2003. ISIE'03. 2003 IEEE ..., 2003 - [ieeexplore.ieee.org](#)

... 8 **Simulation** of a **batch** process It is characteristic ... JS: Nelson, BL: Discrete-event system **simulation**, 2nd ed ... IEC 61499 Func-tion Blocks, **Internet**: [www.searcheng ...](#)

Cited by 1 - [Related Articles](#) - [Web Search](#)

**APPLICATION OF SEMI INDUSTRIAL PILOT PLANTS FOR DISTRIBUTED PROCESS CONTROL EDUCATION VIA INTERNET - group of 2 »**

M Metzger - [icct.insa-lyon.fr](#)

... the 13 th SCS European **Simulation** Symposium on **Simulation** in Industry ... **Batch** sedimentation pilot-plant ... An **Internet**- based real-time control engineering laboratory ...

[Related Articles](#) - [View as HTML](#) - [Web Search](#)

**An approach for the dynamic compensation of the batch balance in the process control**

C Indexing, N Indexing - [ieeexplore.ieee.org](#)

... At last, through the numerical **simulation**, the result ... compensation 1. INTRODUCTION The **batch** control is ... of raw material for the **industrial process** according to ...

[Related Articles](#) - [Web Search](#)

**<http://www.action-m.com/etfa2006> - group of 3 »**

E Technologies, F Automation - [i-joe.org](#)

... Wireless Networks; Intranet and **Internet** Access; Factory ... New applications of discrete event **simulation**; Supervisory control; **Batch** Process Control ...

[View as HTML](#) - [Web Search](#)

Web based monitoring and control of industrial processes - group of 2 »

E Warnier, L Yliniemi, P Joensuu - herkules.oulu.fi

... K., Huang J.: Development of the **Internet** based control ... 951-42-4324-2. 2. LeiviskäK, **Simulation** in pulp ... Juuso E, Modelling of a Fed-Batch Fermentation Process ...[Related Articles](#) - [View as HTML](#) - [Web Search](#)[BOOK] A LABORATORY FOR PROCESS CONTROL ENGINEERING  
EDUCATION

V Jovan, J Petrovčič - www-e2.ijs.si

... e-mail: vladimir.jovan@ijs.si **internet**: http://www ... should be of the "semi-batch"type, and ... system of electro- magnetic disturbance **simulation** characteristic of ...[View as HTML](#) - [Web Search](#)Web Based Virtual Frameworks for Emergency Decision Support Systems

C Balducelli, G Vicoli - tisgi.casaccia.enea.it

... are activated by the **Internet** Information Server. ... Suggest best temporal strategy  
for BAT application ... models", Proceedings European **Simulation** Symposium and ...[Related Articles](#) - [View as HTML](#) - [Web Search](#)

Goooooooooooooogle ►

Result Page: 1 2 3 4 5 6 7 8 9 10 **Next** [Google Home](#) - [About Google](#) - [About Google Scholar](#)

©2007 Google



AbstractPlus

[BROWSE](#)[SEARCH](#)[IEEE XPLORE GUIDE](#)[View TOC](#)

Access this document

Full Text: [PDF](#) (1136 KB)

Download this citation

Choose

[Citation](#)

Download

[ASCII Text](#)» [Learn More](#)**[Rights and Permissions](#)**» [Learn More](#)

## Monitoring and control using the Internet and Java

[Weaver, A.](#) [Luo, J.](#) [Zhang, X.](#)

Dept. of Comput. Sci., Virginia Univ., Charlottesville, VA;

This paper appears in: [Industrial Electronics Society, 1999. IECON '99 Proceedings Conference of the IEEE](#)

Publication Date: 1999

Volume: 3, On page(s): 1152-1158 vol.3

Meeting Date: 11/29/1999 - 12/03/1999

Location: San Jose, CA, USA

ISBN: 0-7803-5735-3

References Cited: 9

INSPEC Accession Number: 6522324

Digital Object Identifier: 10.1109/IECON.1999.819370

Posted online: 2002-08-06 22:50:56.0

### Abstract

Manufacturers have long wished for a tool that would permit remote monitoring and control operations. The combination of the Java programming language with the worldwide reach promises a solution to this problem. Java's scalability, portability, and platform independent monitoring and control applications ("applets") to run on any web browser. Java applets build custom hardware/software when implementing remote monitoring and control systems be configured to display graphical representations of the plant or process and to annotate time data; thus, any Internet-enabled computer is a potential control station (assuming satisfied). This gives rise to the concept of "virtual engineers" or "remote engineers" who plant information, can optimize machine setting or process control parameters, and troubleshoot before they escalate.

### Index Terms

#### Inspection

#### Controlled Indexing

[Internet](#) [Java](#) [computerised monitoring](#) [manufacture](#) [process control](#) [telemetry](#)

#### Non-controlled Indexing

[Internet](#) [Internet-enabled computer](#) [Java applets](#) [Java programming language](#) [representations](#) [machine settings optimisation](#) [manufacturing operations control](#) [control station](#) [process control parameters optimisation](#) [real time data](#) [remote engineers](#) [remote monitoring](#) [virtual engineers](#) [web browser](#)

### Author Keywords

Not Available

### References

No references available on IEEE Xplore.

### Citing Documents

- 1 Real-time Intranet-controlled virtual instrument multiple-circuit power monitoring, Ch Lun Juang; Devaney, M.J.  
*Instrumentation and Measurement, IEEE Transactions on*  
On page(s): 579-584, Volume: 49, Issue: 3, Jun 2000

[Abstract](#) | [Full Text: PDF](#) (436)

- 2 Desktop rapid prototyping system with supervisory control and monitoring through Ir Hwa Tzou; Chang, Y.C.  
*Mechatronics, IEEE/ASME Transactions on*  
On page(s): 399-409, Volume: 6, Issue: 4, Dec 2001  
[Abstract](#) | [Full Text: PDF](#) (275)
- 3 Remote supervisory control of the human-in-the-loop system by using Petri nets and Pau-Lo Hsu  
*Industrial Electronics, IEEE Transactions on*  
On page(s): 431- 439, Volume: 50, Issue: 3, June 2003  
[Abstract](#) | [Full Text: PDF](#) (1027)
- 4 Gain adaptation of networked DC motor controllers based on QoS variations, Mo-Yt Y.  
*Industrial Electronics, IEEE Transactions on*  
On page(s): 936- 943, Volume: 50, Issue: 5, Oct. 2003  
[Abstract](#) | [Full Text: PDF](#) (545)
- 5 Design and implementation of the SNMP agents for remote monitoring and control v nets, Jin-Shyan Lee; Pau-Lo Hsu  
*Control Systems Technology, IEEE Transactions on*  
On page(s): 293- 302, Volume: 12, Issue: 2, March 2004  
[Abstract](#) | [Full Text: PDF](#) (656)

[◀ View TOC](#) | [Back to Top ▶](#)

Indexed by  
 Inspec

[Help](#) [Contact Us](#) [Privacy](#)

© Copyright 2006 IEEE

	Type	L #	Hits	Search Text	DBs	Time Stamp
1	BRS	L1	111	(magnetic same disk) and Internet and (batch same simulation)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	2007/01/12 14:01
2	BRS	L2	107	(magnetic same disk) and Internet and (industrial adj process)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	2007/01/12 14:02
3	BRS	L3	7	(magnetic same disk) and Internet and ((industrial adj process) same simulation)	US- PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWEN T; IBM_TDB	2007/01/12 14:02